

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application.

In the Claims

1. (Previously Presented) A medical catheter system comprising:
a first catheter having
 an entrance orifice,
 an exit orifice,
 a channel connecting the entrance orifice and the exit orifice,
 a wall surrounding the channel, the hardness of the wall surrounding the channel, when considered from an initial reference point at the entrance orifice and traveling towards the exit orifice, regardless of the orientation of the wall, decreasing in hardness in a first distinct region then increasing in hardness in a second distinct region and then decreasing in hardness again in a third distinct region, the hardness of the third region being different than the hardness of the first region and,
a second catheter located within the first catheter, the first catheter sized to allow the second catheter to move within it, the second catheter having a steerable distal portion and a bendable curved memory portion;
 wherein the bendable curved memory portion of the second catheter contains a cross-linking polymer activated by ultra-violet light, and when activated the curved memory portion becomes shaped into a predetermined shape.
2. (Canceled)
3. (Previously Presented) The medical catheter system of claim 1 further comprising:
a third catheter located within the second catheter, the second catheter sized to allow the third catheter to move within it.

4-6. (Canceled)

7. (Previously Presented) The medical catheter system of claim 1 wherein the bendable curve memory portion of the second catheter contains an outer layer with a first hardness and an inner layer with a second hardness, the second hardness being harder than the first hardness.

8. (Previously Presented) The medical catheter system of claim 1 wherein the second catheter has an outer layer with a first hardness and an inner layer with a second hardness, the second hardness being harder than the first hardness.

9-29. (Canceled)

30. (Previously Presented) The medical catheter system of claim 1 wherein the second catheter has a plurality of flushing orifices.

31. (Previously Presented) The medical catheter system of claim 1 further comprising a flushing line coupled to the first catheter.

32. (Previously Presented) The medical catheter system of claim 30 wherein the plurality of flushing orifices are in fluid communication with a flushing line coupled to the first catheter.

33-37. (Canceled)